



PRODUCT DATA SHEET
KoraGloss® - 300 RS
 Low VOC Quick Dry Alkyd Enamel

GENERIC TYPE:

Single coat, rust inhibitive interior alkyd finish

DESCRIPTION: *KoraGloss-300 RS* is a quick dry, corrosion resistant gloss enamel specially formulated for finishing metal products. Free of mercury, lead and chromate hazards. *KoraGloss-300 RS* is a high-solids, VOC compliant, modified long oil alkyd finish that dries to a uniform tough film. Provides good protection in mild environments.

FEATURES:

- Low VOC
- High solids, high or semi-gloss modified long oil alkyd.
- Lead and Chromate-free
- Durable high gloss finish
- Fast dry
- Protects against atmospheric corrosion
- Excellent flow and leveling
- High hiding
- Good abrasion resistance
- Easy application - brush, roll or spray
- Excellent resistance to grease, oil and water

RECOMMENDED USES:

KoraGloss-300 RS coating is ideal for safety equipment and pipe identification. Also suitable for use as a fast dry coating for general plant maintenance. As a single component interior and exterior finish for use over properly prepared metal, wood and masonry. Typically piping, tank exterior, railcars, miscellaneous metal parts and various types of equipment. May be used over most alkyd primers and many other generic types.

NOT RECOMMENDED FOR:

Immersion service, or splash and spillage of acids, alkalis, or solvents.

ORDER INFORMATION: Prices may be obtained from *SanyChem Sales Representative* or main Office.

APPROXIMATE SHIPPING WEIGHT :

Freight Classification: Paint, Combustible Liquid UN1263, PG III

Packaging:	1 gallon (3.785L)	5 gallons (18.925L)
<i>KoraGloss-300 RS</i> High-Gloss	13 lbs. (6 kg.)	62 lbs. (28 kg.)
<i>KoraGloss-300 RS</i> Semi-Gloss	15 lbs. (7 kg.)	74 lbs. (30 kg.)
<i>SolvenSany # 276</i> Thinner	8 lbs. (4.1 kg.)	39 lbs. (18 kg.)

Shipping Weight:	4 gallon case - 60 lbs. (28 kg)
	5 gallon pail - 74 lbs. (30 kg)

FLASH POINT (Pensky/Martens Closed Cup) :

	Flash Point
<i>KoraGloss-300 RS</i>	105 °F (41 °C)
<i>SolvenSany # 276</i> Thinner	105 °F (41°C)



SPECIFICATION DATA

- **Solids Content By Volume:** *KoraGloss-300 RS* 69% ± 2%
 - **Theoretical Coverage Rate per Gallon: ***
KoraGloss-300 RS 28 m² / Lit at 25 microns
 9.2 m² / Lit at 75 microns
 - Mixing and application losses will vary and must be taken into consideration when estimating job requirements.
 - **Volatile Organic Content (VOC) as supplied * :**
KoraGloss-300 RS 2.00 lbs./gal. (240 g/L)
- | Thinned: | Fluid Ounces/Gal. | Lbs./Gal. | Grams/Liter |
|----------|-------------------|-----------|-------------|
| %Thinner | | | |
| 10 | 13 | 2.4 | 288 |
- * May vary with color
- **Temperature Resistance** (Non-Immersion)
 Continuous : 180 °F (82 °C)
 Non-Continuous : 225 °F (107 °C)
 - **Recommended Dry Film Thickness Per Coat :**
 1.5 - 3 mils (38-75 microns)

- **Color Standard in :** Available in a variety of colors.
- **Gloss** High and Semi-gloss
- **Substrates:** Apply over suitably prepared steel, concrete or others as recommended.
- **Shelf Life :** 24 months when stored at 75 °F (25 °C)
- **Storage Conditions:** Store indoors.
 Temp.: 40 - 110 °F (4 -43 °C)
 Humidity: 0 - 100%

Topcoat Required: None. Optional second coat will give a longer service life. Please consult the appropriate system guide, the particular job specification or your *SanyChem Coatings'* Industrial Coatings Specialist for proper systems using this product. Systems must be selected considering the particular environment involved.

Specific recommendations do not topcoat directly with coatings containing strong solvents like epoxies or vinyls.

TYPICAL CHEMICAL RESISTANCE

Exposure	Splash & Spillage	Fumes
Acids	NR	Fair
Alkalies	NR	Fair
Solvents	NR	Fair
Salt	Good	Good
Water	Excellent	Excellent

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APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions, and application procedure. It is assumed that the proper product recommendations have been made. These instructions should be followed closely to obtain the maximum service from the materials.

Substrates & Surface Preparation

General:

All surfaces must be clean and dry prior to coating. Remove any oil or grease with clean rags soaked in **SolvenSany # 252 Thinner** in accordance with SSPC-SP-1-82 or power wash with **SanyChem MetalCleaner # 100** diluted in water and rinse.

All surfaces must be sound, dry, clean, and free of oil, grease, dirt, mildew, form release agents, curing compounds, efflorescence, loose and flaking paint and other foreign substances.

NON IMMERSION SERVICE:

New Surfaces:

Steel - Prime with metal primer **KoraPrimer-290** or **KoraPrimer-400**.

Galvanized Metal and Aluminum - Prime with metal primer **SanyBond-WP 100** or **SanyBond-8000**.

Previously Painted Surfaces: Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Prime bare areas with primer specified under

New Surfaces. Surfaces in good condition generally may be done with one coat.

Previously painted glossy finish should be sanded to degloss and roughen overcoating.

Mixing: Power Mix to a uniform consistency before thinning.

Thinning:

Spray : May be thinned up to 5-10% by volume with **SolvenSany # 276**.

Brush or Roller: May be thinned up to 5% by volume with **SolvenSany # 276**.

Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results. The following equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.



Application Equipment

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results. General guidelines:

Spray Application

(General)

The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

Conventional Spray

Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, 0.052" I.D. fluid tip and appropriate air cap. Hold gun approximately 18-20 inches from the surfaces and at a right angle to the surface.

A tack coat followed by a full coat technique is required for best appearance and ease of application. Minimum time between tack coat and full coat is one minute to allow solvent to flash.

Mfr. & Gun	Fluid Tip	Air Cap.
DeVilbiss P-MBC or JGA	FF	704
Binks #18 or #62	63C	63 BB
I.D.	Approx. .052"	

Airless Spray

Use 3/8" minimum I.D. material hose. Hold gun approximately 18-20 inches from the surfaces and at a right angle to the surface.

Mfr. & Gun	Pump
DeVilbiss JGB-507	QFA-514 or QFA-519
Binks Model 700	Mercury 5C or B8-36 37:1
Graco 205-591	President 30:1 OR Bulldog 30:1

Use a .013" - .017" tip with 2000 psi.

Teflon packings are recommended and available from the pump manufacturer.

Contact



For information and Prices, Please Call a SANYCHEM Local Sales Representative.

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Drying Time:

At 90°F (32°C) and 50% R.H., **Air Dry** - Dries to touch in 30 minutes and to stack or pack in 60-90 minutes, and to recoat in two hours. Recoat before three hours or after 18 hours after scuff sanding. Full cure in 48 hours..

Baking (conventional or infrared ovens) - Allow three to five minutes for solvent flash-off, then bake five to ten minutes at 250°F (121°C). Low temperature, high humidity, thick films or poor ventilation will increase these times.

These times are based on recommended dry film thickness. Excessive film thickness or inadequate ventilating conditions after application require longer dry times and will cause premature failure in extreme cases.

APPLICATION CONDITIONS

	Material	Surfaces	Ambient	Humidity
Normal	10 – 32 °C	13 – 32 °C	13 – 38 °C	30 – 95 %
Minimum	2 °C	2 °C	2 °C	0 %
Maximum	49 °C	74 °C	49 °C	98 %

Do not apply when the surface temperature is less than 5 °F or 2 °C above the dew point.



Brush & Roller

Use a medium bristle brush applying with full strokes. Use medium nap roller. Avoid rebrushing or rerolling.

Cleanup & Safety

Cleanup

Use **SolvenSany #252**. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

Safety

Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Hypersensitive persons should wear protective clothing, gloves and use protective cream on face, hands and all exposed areas.

Ventilation

When used as a tank lining or in enclosed areas, thorough air circulation must be used during and after application until the coating is cured. The ventilation system should be capable of preventing the solvent vapor concentration from reaching the lower explosion limit for the solvents used. In addition to ensuring proper ventilation, appropriate respirators must be used by all application personnel.

Caution



This product contains flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 1/2001



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